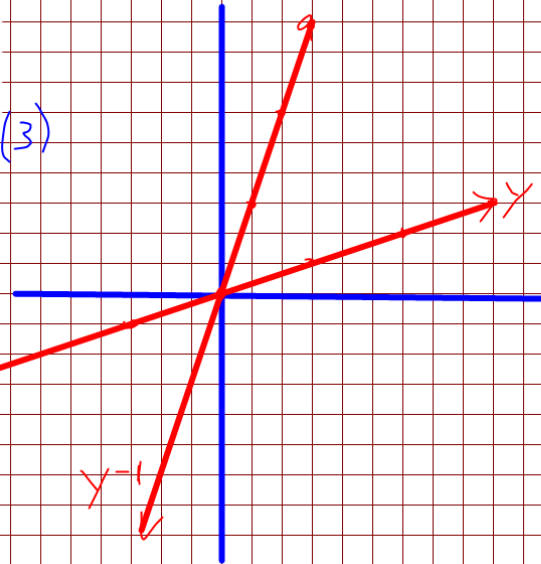


22. $y = \frac{1}{3}x$

(3) $x = \frac{1}{3}y$ (3)

$3x = y$

$3x = y^{-1}$



(36) $y = \frac{2(x-12) + 10}{4} = \frac{2x-14}{4}$

(37) $x = \frac{2(y-12) + 10}{4}$

$x = \frac{2y-24+10}{4}$

$x = \frac{2y-14}{4}$

$4x = 2y - 14$

$2x = y - 7$

$2x + 7 = y^{-1}$

$2(9) + 7 = 25$

30. $f(x) = x - 5$

$$g(x) = \textcircled{x} + 5$$

$$\begin{aligned} [f \circ g](x) &= f(x+5) = x+5 - 5 \\ &= x \leftarrow \end{aligned}$$

$$\begin{aligned} [g \circ f](x) &= g(x-5) = x-5 + 5 \\ &= x \leftarrow \end{aligned}$$

$\textcircled{y \neq x}$

$$y = \sqrt{3x + 4}.$$

$$3x + 4 \geq 0$$

$$3x \geq -4$$

$$\text{Domain } x \geq -\frac{4}{3}$$

x	y
$-\frac{4}{3}$	0
-1	1
0	2
1	≈ 2.6
9	≈ 5.6

